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AT&T CORP.
SAMUEL H. DWORETSKY
P.O. BOX 4110
MIDDLETOWN, NJ 07748-4110

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RECORDATION DATE: 10/31/2000

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ASSIGNOR:

BENITEZ, ANA B.

DOC DATE: 10/04/2000

ASSIGNOR:

CHANG, SHIH-FU

DOC DATE: 10/09/2000

ASSIGNOR:

PAEK, SEUNGYUP

DOC DATE: 10/09/2000

ASSIGNEE:

COLUMBIA UNIVERSITY IN THE CITY OF
NEW YORK
116TH STREET & BROADWAY
NEW YORK, NEW YORK 10027

SERIAL NUMBER: 09495175

FILING DATE: 02/01/2000

PATENT NUMBER:

ISSUE DATE:

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011234/0043 PAGE 2

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
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11-16-2000

ocket Number: 2000-0025



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Conveying Party(ies)☐ Mark if additional names of conveying parties attached

Name (line 1) Ana B. Benitez

Execution Date

MMDDYYYY

Name (line 2)

10/04/2000

Second Party

Name (line 1) Shih-Fu Chang

Execution Date

MMDDYYYY

Name (line 2)

10/09/2000

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Name (line 1) Columbia University in the City of New York

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PATENT**CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

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or ☒ Correspondence address below

NAME	Samuel H. Dworetsky				
ADDRESS	AT&T CORP. P.O. Box 4110				
CITY	Middletown	STATE	New Jersey	ZIP CODE	07748-4110
COUNTRY	United States of America			FAX	732-368-6932

Pages Enter the total number of pages of the attached conveyance document # 3
including any attachments

Application Number(s) or Patent Number(s) ☐ Mark if additional numbers are attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)	Patent Number(s)
09/495175	

If this document is being filed with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
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Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

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Enclosed ☐ Deposit Account ☒

Deposit Account

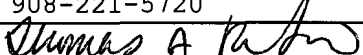
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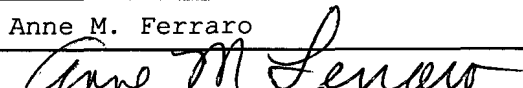
STATEMENT AND SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

NAME	Thomas A. Restaino		
TELEPHONE	908-221-5720		
SIGNATURE		DATE	10/27/2000

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

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PATENT**Conveying Party(ies)**☒ Mark if additional names of conveying parties attached*Enter Additional Conveying Parties*

Name (line 1)	Seungyup Paek	Execution Date MMDDYYYY
Name (line 2)		10/09/2000
Name (line 1)		Execution Date MMDDYYYY
Name (line 2)		
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Name (line 2)		

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Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
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Application Number(s) or Patent Number(s)☐ Mark if additional numbers are attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)	Patent Number(s)

A S S I G N M E N T

WHEREAS, WE, ANA B. BENITEZ, SHIH-FU CHANG, and SEUNGYUP PAEK, citizens of the Spain, Taiwan, and the United States of America, respectively whose post office addresses are 400 W. 119th Street, Apt. 9F, New York, New York 10027, 560 Riverside Drive, Apt. 18K, New York 10027, and 530 Riverside Drive, Apt. 6J, New York, New York 10027, respectively, have made an invention for which WE have applied for Letters Patent of the United States entitled "MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD AND SYSTEM FOR MPEG-7" filed February 1, 2000 as application serial no. 09/495,175, and

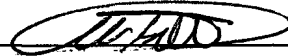
WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK (hereinafter "COLUMBIA"), a corporation organized and existing under the laws of the State of New York, and having an office for the transaction of business at 116th Street & Broadway, New York, NY 10027, is desirous of acquiring our entire right, title and interest in and to said invention and any improvements thereon, and in and to application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that ANA B. BENITEZ, SHIH-FU CHANG, and SEUNGYUP PAEK for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, in hand paid by COLUMBIA, and other valuable considerations unto us moving from COLUMBIA, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto COLUMBIA, its successors and assigns, our entire right, title and interest in and to the said invention for which we are about to make application for Letters Patent of the United States entitled "MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD AND SYSTEM FOR MPEG-7" as set forth and described in application serial no. 09/495,175, for Letters Patent of the United States and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, ANA B. BENITEZ, SHIH-FU CHANG, and SEUNGYUP PAEK do hereby authorize and request the Commissioner of Patents and Trademarks to issue Letters Patent of the United States to said COLUMBIA, as the assignee of our entire right, title and interest in and to the same, for the use and benefit of said COLUMBIA, its successors and assigns;

AND WE, ANA B. BENITEZ, SHIH-FU CHANG, and SEUNGYUP PAEK for the considerations aforesaid, do hereby covenant and agree to and with said COLUMBIA, its successors and assigns, that they have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that their respective executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said COLUMBIA, its successors and assigns, may be required or necessary more effectively to secure to and vest in said COLUMBIA, its successors and assigns, such entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that they will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, WE, ANA B. BENITEZ, SHIH-FU CHANG and SEUNGYUP PAEK have hereunto set my hand and seal on the date below written.



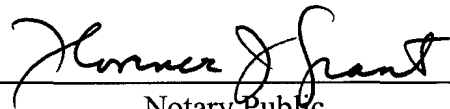
ANA B. BENITEZ

STATE OF NEW YORK)

: ss.:

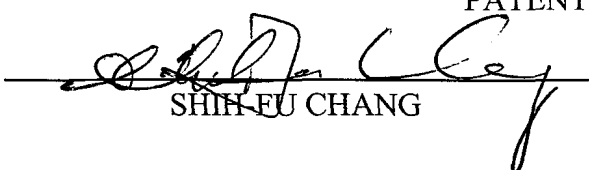
COUNTY OF New York)

BE IT KNOWN, that on this 4 day of Oct., 2000, before me personally came ANA B. BENITEZ to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.



Notary Public

FLORENCE J. GRANT
 Notary Public, State of New York
 No. 31-4666482
 Qualified in New York County
 Commission Expires March 30, 2002

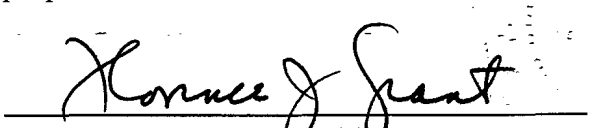


SHIH-FU CHANG

STATE OF NEW YORK)

: SS.:
COUNTY OF New York

BE IT KNOWN, that on this 4 day of Oct., 2000, before me personally came SHIH-FU CHANG to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.



Notary Public

FLORENCE J. GRANT
Notary Public, State of New York
No. 31-4666482
Qualified in New York County
Commission Expires March 30, 2002



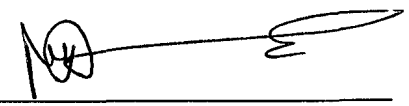
SEUNGYUP PAEK

STATE OF NEW YORK)

: SS.:
COUNTY OF New York

BE IT KNOWN, that on this 9th day of October, 2000, before me personally came SEUNGYUP PAEK to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

RAMESHCANDRA R. JHAVERI
Notary Public, State of New York
No. 41-4988830
Qualified in Queens County
Commission Expires Nov. 18, 2001



Notary Public